

LICENSING CHECKLIST FOR GAS CHROMATOGRAPHS

This checklist is to assist those applicants requesting licensure (or renewal) for gas chromatographs or other analytical equipment utilizing an electron capture detector containing Nickel-63 or Hydrogen-3 foils. Include the information noted below on form RH 2050 or attachments thereto. General information may be found in the guide RH 2051. Please submit all correspondence **in duplicate**.

Item 1. a) Name of Applicant

Specify the name of the company or business entity responsible for the radiation safety program.

b) Mailing Address: California only, if possible

c) Phone Number: California only, if possible

Item 2. a) Type of Business: If government, indicate here.

b) Location of Use

List all locations where the device(s) will be used and/or stored. If temporary sites, check the box "yes".

c) Application Type: Self explanatory

Item 3. a) Nuclide: Specify isotope to be used (e.g., H-3, Ni-63)

b) Forms: Foil(s)

c) Possession Limit:

Specify the number and maximum activity of each source in terms of millicuries.

Item 4. Proposed Use:

Specify the manufacturer of the electron capture detector (ECD) and the manufacturer of the device. Include model number(s), if possible.

Item 5. Radiation Safety Officer (RSO) and Users:

Submit completed "Statement of Training and Experience" forms (RH 2050A) for the RSO and supervisory users only. Include any past experience in the use of these devices.

Items 6, 7, and 8. Instruments, Calibration Procedures, Monitoring

These items are not required for routine use of these devices. Consult with the Department for maintenance and/or repair authorizations.

Item 9. Facilities and Equipment

Describe the security of the area where the device(s) will be used/stored. If Hydrogen-3 will be used, specify air changes per hour (should be 3-4/hr) in the location of use.

Item 10. Radiation Safety Program

- a) Posting: Confirm the "Notice to Employees" form RH 2364 (supplied by the Department), a copy of the license, operating procedures, and regulations (Title 17) are (or will be) posted adjacent to the device. If not practical, commit to posting a notice where the procedures and regulations can be found.
- b) Labeling: Confirm the device (or at least the electron capture detector) is labeled with the standard radiation symbol, isotope, activity, date, and manufacturer.
- c) Leak Testing: Provide the method, frequency, and analysis. If mail-out kits will be used, specify the authorized service company, and commit to following the manufacturer recommended leak test collection procedure.
- d) Servicing: Specify who will perform ECD replacement and/or repairs. Should you wish to perform cleaning the ECD(s), attach a copy of the manufacturer's procedures you will follow.

Item 11. Effluent and Environmental Monitoring: Not applicable.

Item 12. Waste Disposal

Commit to transferring the ECD back to the manufacturer or to a specific licensee of the NRC or Agreement States. They must be shipped in accordance with Department of Transportation regulations (contact the manufacturer for details).

Item 13. Decommissioning and Decontamination Plans

Commit to notifying the Department thirty (30) days prior to vacating your facilities or relocating the device(s) to a new location of use.

Item 14. Certificate

Include typed name and title of individual who commits the applicant to information contained within the application.